

MQ Power Studio Generators

MODEL	SG600C3	SG1400C3	SG1600C3	SG1400C4F	SG1600C4F
Generator					
Design	Revolving field, Self-Ventilated, Drip-Proof, Single Bearing				
No. of poles	4-pole				
Excitation	Brushless with AVR				
Prime Rating kW (kVA)	72 (90)	168 (210)	192 (240)	168 (210)	192 (240)
Generator RPM	1800				
Voltage- 3 phase	120/208				
Voltage- 1 phase	120/240				
Armature Connection	12-Lead WYE				
Voltage Regulation (no load to full load)	+ - 1 %				
Power Factor	0.8				
Frequency	60 Hz				
Frequency regulation (Steady State Load)	+ - 0.25%				
Insulation	Class H				
Diesel Engine					
Make/Model	Cummins QSB5-G3	Cummins QSB7-G5		Cummins QSB7-G9	
Emissions	Tier 3			Tier 4 Final	
Starting system	Electric				
Design	4 cycle Charged Air Cooled Turbocharged Direct Injection			4 cycle Charged Air Cooled Turbocharged EGR, DOC, SCR	
Displacement liters (in3)	4.5 l (275)	6.7 (409)			
No. of Cylinders	4	6			
Bore x Stroke Inch (mm)	4.21 x 4.88 (107 x 124)				
HP at rated speed	126	279	282		
Fuel Consumption					
Full load gph (lph)	6.9 (26)	13.3 (64)	13.5 (51.1)		
3/4 load gph (lph)	5.6 (21)	10.6 (40)	10.3 (38.9)		
1/2 load gph (lph)	3.9 (15)	7.6 (30)	7.2 (27.3)		
1/4 load gph (lph)	2.2 (8)	4.0 (15)	4.1 (15.5)		
DEF Tank Capacity gallons (liters)	N/A			10 (37.8)	
Battery	12 VDC	24 VDC			
Size					
L x W x H in (mm)	100 x 48 x 66 (2540 x 1219 x 1676)	100 x 48 x 84 (2540 x 1219 x 2134)		100 x 48 x 88.5 (2540 x 1219 x 2248)	
Approx Net Wt lbs.(KG)	3420 (1551)	5130 (2326)		5490 (2490)	
Amps					
120 / 240 1 Phase, Line Amps /Total Amps	200 / 400	480 / 960	538 / 1076	480 / 960	538 / 1076
120 / 208 3 Phase, Line Amps /Total Amps	200 / 600	466 / 1400	533 / 1600	466 / 1400	533 / 1600
277 / 480 3 Phase, Line Amps /Total Amps	87 / 261	202 / 606	231 / 693	202 / 606	231 / 693
Optional Trailers					
Dimensions in. (mm)	167.6 x 72 x 23.5 (4257 x 1829 x 597)	180 x 72 x 23.5 (4572 x 1829 x 597)			
No. of Axes	Single Axle, Electric or Hydraulic Brakes	Tandem Axle, Electric or Hydraulic Brakes			
Fuel Tank Capacity gal. (liters)	100 (379)	145 (549)			